LIST OF FIGURES

Components of the National Airspace System (NAS)

Cua	DTFD	1
L HA	PTER	

Figure 1.1 Figure 1.2

Study Area

Figure 1.3	FAA's Domestic Vertical Separation Standards
Figure 1.4	FAA's Wake Turbulence Separation Standards
Figure 1.5	Typical ATC Management of an Aircraft
Figure 1.6	Air Route Traffic Control Centers
Figure 1.7	Terminal Radar Approach Control (TRACON) Airspace Boundaries
Figure 1.8	Airports within the Study Area
Figure 1.9	Robbinsville-Yardley Flip-Flop Procedure
Figure 1.10	Dual Modena Procedure
Figure 1.11	Intermingling of Traffic Flows in the Study Area
CHAPTER 2	
Figure 2.1	Future No Action Airspace Alternative JFK Major Departure Flows
Figure 2.2	Future No Action Airspace Alternative JFK Major Arrival Flows
Figure 2.3	Future No Action Airspace Alternative LGA Major Departure Flows
Figure 2.4	Future No Action Airspace Alternative LGA Major Arrival Flows
Figure 2.5	Future No Action Airspace Alternative EWR Major Departure Flows
Figure 2.6	Future No Action Airspace Alternative EWR Major Arrival Flows
Figure 2.7	Future No Action Airspace Alternative TEB Major Departure Flows
Figure 2.8	Future No Action Airspace Alternative TEB Major Arrival Flows
Figure 2.9	Future No Action Airspace Alternative PHL Major Departure Flows
Figure 2.10	Future No Action Airspace Alternative PHL Major Arrival Flows
Figure 2.11	Modifications to Existing Airspace Alternative LGA Major Departure Flows
Figure 2.12	Modifications to Existing Airspace Alternative EWR Major Departure Flows
Figure 2.13	Modifications to Existing Airspace Alternative TEB Major Departure Flows
Figure 2.14	Modifications to Existing Airspace Alternative PHL Major Departure Flows
Figure 2.15	Ocean Routing Airspace Alternative JFK Major Departure Flows
Figure 2.16	Ocean Routing Airspace Alternative JFK Major Arrival Flows
Figure 2.17	Ocean Routing Airspace Alternative LGA Major Departure Flows
Figure 2.18	Ocean Routing Airspace Alternative EWR Major Departure Flows
Figure 2.19	Integrated Airspace Alternative Variation without ICC LGA Major Departure Flows
Figure 2.20	Integrated Airspace Alternative Variation without ICC EWR Major Departure Flows
Figure 2.21	Integrated Airspace Alternative Variation without ICC TEB Major Departure Flows
Figure 2.22	Integrated Airspace Alternative Variation without ICC TEB Major Arrival Flows
Figure 2.23	Change in Existing Terminal Airspace to ICC Airspace
Figure 2.24	Integrated Airspace Alternative Variation with ICC JFK Major Departure Flows
Figure 2.25	Integrated Airspace Alternative Variation with ICC JFK Major Arrival Flows

12/07/05 DRAFT

Figure 2.26	Integrated Airspace Alternative Variation with ICC LGA Major Departure Flows
Figure 2.27	Integrated Airspace Alternative Variation with ICC LGA Major Arrival Flows
Figure 2.28	Integrated Airspace Alternative Variation with ICC EWR Major Departure Flows
Figure 2.29	Integrated Airspace Alternative Variation with ICC EWR Major Arrival Flows
Figure 2.30	Integrated Airspace Alternative Variation with ICC TEB Major Departure Flows
Figure 2.31	Integrated Airspace Alternative Variation with ICC TEB Major Arrival Flows
Figure 2.32	Integrated Airspace Alternative Variation with ICC PHL Major Departure Flows
Figure 2.33	Integrated Airspace Alternative Variation with ICC PHL Major Arrival Flows
CHAPTER 3	
Figure 3.1	Physiographic Regions in the Study Area
Figure 3.2	John F. Kennedy International Airport
Figure 3.3	LaGuardia Airport
Figure 3.4	Newark Liberty International Airport
Figure 3.5	Teterboro Airport
Figure 3.6	Philadelphia International Airport
Figure 3.7	Existing Land Use within the Study Area
Figure 3.8	John F. Kennedy International Airport Generalized Land Use
Figure 3.9	LaGuardia Airport Generalized Land Use
Figure 3.10	Newark Liberty International Airport Generalized Land Use
Figure 3.11	Teterboro Airport Generalized Land Use
Figure 3.12	Philadelphia International Airport Generalized Land Use
Figure 3.13	Population Density in the Study Area (2000)
Figure 3.14	Noise Measurement Site Locations
Figure 3.15	Year 2000 Population Centroids with Population
Figure 3.16	Radar Flight Tracks
Figure 3.17	NIRS Departure Tracks for LGA
Figure 3.18	Baseline 2000 Aircraft Noise Exposure
Figure 3.19	Baseline 2000 Aircraft Noise Exposure Enlarged View
Figure 3.20	Parks and Natural Features within the Study Area
Figure 3.21	Historic Sites within the Study Area
Figure 3.22	SO ₂ Non-Attainment and CO Maintenance Areas
Figure 3.23	8-Hour Ozone Non-Attainment Areas
Figure 3.24	PM ₁₀ and PM _{2.5} Non-Attainment Areas
Figure 3.25	Migratory Birds Ecological Regions
CHAPTER 4	:
Figure 4.1	2006 Future No Action Airspace Alternative Noise Exposure
Figure 4.2	2006 Future No Action Airspace Alternative Noise Exposure - NY/NJ
0	Metropolitan Area
Figure 4.3	2006 Future No Action Airspace Alternative Noise Exposure - PHL Metropolitan
115010 115	Area
Figure 4.4	2011 Future No Action Airspace Alternative Noise Exposure
Figure 4.5	2011 Future No Action Airspace Alternative Noise Exposure - NY/NJ
	Metropolitan Area

12/07/05 DRAFT

Figure 4.6	2011 Future No Action Airspace Alternative Noise Exposure - PHL Metropolitan Area
Figure 4.7	2006 Modifications to Existing Airspace Alternative Change In Noise Exposure
Figure 4.8	2011 Modifications to Existing Airspace Alternative Change In Noise Exposure
Figure 4.9	2006 Modifications to Existing Airspace Alternative Change In Noise Exposure -
118010	NY/NJ Metropolitan Area
Figure 4.10	2011 Modifications to Existing Airspace Alternative Change In Noise Exposure -
	NY/NJ Metropolitan Area
Figure 4.11	2006 Modifications to Existing Airspace Alternative Change In Noise Exposure -
Eigung 4 10	PHL Metropolitan Area
Figure 4.12	2011 Modifications to Existing Airspace Alternative Change In Noise Exposure -
E: 4 12	PHL Metropolitan Area
Figure 4.13	2006 Ocean Routing Airspace Alternative Change In Noise Exposure
Figure 4.14	2011 Ocean Routing Airspace Alternative Change In Noise Exposure
Figure 4.15	2006 Ocean Routing Airspace Alternative Change In Noise Exposure - NY/NJ Metropolitan Area
Figure 4.16	2011 Ocean Routing Airspace Alternative Change In Noise Exposure - NY/NJ
C	Metropolitan Area
Figure 4.17	2006 Integrated Airspace Alternative Variation Without ICC Change In Noise
U	Exposure
Figure 4.18	2011 Integrated Airspace Alternative Variation Without ICC Change In Noise
C	Exposure
Figure 4.19	2006 Integrated Airspace Alternative Variation Without ICC Change In Noise
U	Exposure - NY/NJ Metropolitan Area
Figure 4.20	2011 Integrated Airspace Alternative Variation Without ICC Change In Noise
8	Exposure - NY/NJ Metropolitan Area
Figure 4.21	2006 Integrated Airspace Alternative Variation Without ICC Change In Noise
	Exposure - PHL Metropolitan Area
Figure 4.22	2011 Integrated Airspace Alternative Variation Without ICC Change In Noise
	Exposure - PHL Metropolitan Area
Figure 4.23	2011 Integrated Airspace Alternative Variation With ICC Change In Noise
11801020	Exposure
Figure 4.24	2011 Integrated Airspace Alternative Variation With ICC Change In Noise
1180102 .	Exposure - NY/NJ Metropolitan Area
Figure 4.25	2011 Integrated Airspace Alternative Variation With ICC Change In Noise
11801025	Exposure - PHL Metropolitan Area
Figure 4.26	NY/NJ Metropolitan Environmental Justice Study Area
Figure 4.27	PHL Metropolitan Environmental Justice Study Area
Figure 4.28	Delaware Cultural Resources Area Of Interest
Figure 4.29	NY/NJ Metropolitan Cultural Resources Area Of Potential Effect
Figure 4.20	PHL Cultural Resources Area Of Potential Effect
1 15u10 7.50	

12/07/05 DRAFT